

# LE TUAN ANH

Senior Software Engineer · Backend & Platform Specialist

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## About

Senior Software Engineer with **17+ years** of hands-on experience building scalable web platforms and distributed systems. Specialized in **backend architecture**, **e-commerce platforms (Magento 2)**, and **Golang microservices**. Proven track record of migrating monolithic systems to microservices, optimizing high-traffic applications, and leading technical initiatives across cross-functional teams. Currently architecting a **21+ service e-commerce platform** using Go, Kubernetes, and event-driven architecture.

## Technical Skills

Category	Technologies
Languages	Go, PHP, JavaScript (Node.js), TypeScript, HTML/CSS, C/C++
Backend Frameworks	Kratos (Go), Laravel, Magento 1 & 2, Yii2, CodeIgniter
Frontend	Next.js, React, jQuery, Bootstrap, Flutter (Mobile UI)
Databases	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, MS SQL
Infrastructure	Kubernetes (EKS/K3s), Docker, AWS (EC2, RDS, S3, EKS), Linux
Architecture	Microservices, Event-Driven (Dapr), Clean Architecture, DDD, gRPC, REST
DevOps & Tools	ArgoCD (GitOps), GitLab CI/CD, GitHub Actions, Prometheus, Grafana, Jaeger

## Work Experience

### Senior Engineer — Lotte Innovate

Dec 2025 – Present · Ho Chi Minh City

- Optimized Magento 2 data processing pipelines for high-traffic e-commerce operations, reducing page load times and improving system throughput.
- Improved database query performance and implemented caching strategies, contributing to lower latency and higher system stability across production environments.
- Tech:** Magento 2, PHP, Laravel, MySQL, Redis, AWS (EC2, RDS, S3), Docker, GitLab CI/CD.

### Senior Engineer — Vigo Retail

Sep 2021 – Oct 2025 · Ho Chi Minh City

- Designed and developed scalable RESTful APIs handling **millions of requests per month** for B2B and B2C e-commerce platforms.

- Led migration of monolithic PHP applications to **Golang-based microservices**, reducing average API latency by **35%**.
- Architected and implemented CI/CD pipelines (GitLab CI + GitHub Actions), achieving **zero-downtime deployments** across EKS clusters.
- Optimized SQL queries and Redis caching layers, improving overall system performance by **40%**.
- Mentored a team of 3 junior developers, conducting code reviews and establishing coding standards.
- **Tech:** Go, PHP, Magento 2, Laravel, Kubernetes (EKS), Docker, PostgreSQL, MySQL, Redis, GitLab CI/CD.

## Magento 2 Backend Developer — SnapMart Inc.

Apr 2020 – Sep 2021

- Developed custom Magento 2 extensions for [landers.ph](http://landers.ph), serving the Philippine grocery e-commerce market.
- Implemented unit testing practices and improved code coverage, reducing production bug rate.
- Debugged and resolved complex platform issues across payment, catalog, and checkout modules.
- **Tech:** Magento 2, PHP, AWS (EC2, RDS, S3, K8s), Docker, Git.

## Magento 2 Developer (Contract) — ICM Factory Direct

Apr 2019 – Present · Part-time / Maintenance

- Designed and maintained the full-stack Magento 2 platform for [Regna.com](http://Regna.com).
- Built RESTful APIs powering mobile applications (Rb39, Elite) with Flutter-based UI.
- **Tech:** Magento 2, Flutter, PHP, AWS (EC2, RDS, S3), Docker.

## Earlier Career (2008 – 2019)

Period	Role	Company	Focus
Apr 2017 – Apr 2019	PHP Developer	JV-IT Company	Weather forecast map system for Japanese clients (Yii2, Node.js, PostgreSQL, AWS)
May 2015 – Apr 2017	Magento Developer	Skyfronts	Multi-site Magento 1 & 2 e-commerce development, Linux server administration
Apr 2011 – May 2015	PHP Developer	ToanCau Company	Corporate websites, online advertising apps, mobile payment system
Dec 2008 – Sep 2010	PHP Developer	VEC E-commerce Solution	Web services, web applications, open-source project development

## Featured Project

### [E-Commerce Microservices Platform](#)

2025 – Present · Personal / Portfolio

A production-grade, composable e-commerce ecosystem with **21+ independently deployable microservices**, designed for high availability and horizontal scalability.

## Architecture & Stack:

- **Backend:** Go 1.25+ (Kratos Framework), gRPC + REST dual protocol, Wire (DI).
- **Frontend:** Next.js, React, TypeScript.
- **Infrastructure:** Kubernetes (K3s), Dapr (Service Mesh & Pub/Sub), ArgoCD (GitOps), Docker.
- **Data:** PostgreSQL, Redis, Elasticsearch.
- **Observability:** Prometheus, Grafana, Jaeger (distributed tracing).

## Key Service Domains:

Domain	Services
Core	Auth (OAuth2/JWT), User (RBAC), Customer (GDPR), Catalog (25k+ SKUs, EAV pattern)
Commerce	Cart, Checkout (Saga orchestration), Order lifecycle, Payment (multi-gateway)
Operations	Multi-warehouse Inventory, Fulfillment (pick/pack/ship), Shipping (multi-carrier)
Engagement	Dynamic Pricing, Promotions & Coupons, Loyalty Rewards, Reviews, AI-powered Search
Platform	API Gateway, Notification (Email/SMS/Push), Analytics, Admin Dashboard

## Engineering Highlights:

- Clean Architecture with strict layer separation (API → Service → Biz → Data).
- Event-driven communication via Dapr Pub/Sub with Outbox pattern for guaranteed delivery.
- Transactional Saga orchestration for checkout and payment flows.
- Full GitOps deployment pipeline with ArgoCD and Kustomize overlays.

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## Education

**Diploma in Information Technology** Industrial Economic and Technical College 2 · Sep 2005 – Aug 2008

Coursework: Database Management (MS SQL, MySQL), Networking & Server Administration, PHP, C/C++.

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## Contact

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